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MFN-006

**MASTER OF SCIENCE (DIETETICS
AND FOOD SERVICE MANAGEMENT)**

M. SC. (DFSM)

Term-End Examination

June, 2023

MFN-006 : PUBLIC NUTRITION

Time : 3 Hours

Maximum Marks : 100

Note : *Answer No. 1 is compulsory. Answer five questions in all. All questions carry equal marks.*

1. (a) Name any *three* functionaries at the village level who are responsible for taking care of the health needs of the community. 3
- (b) List any *four* causes of malnutrition. 2

P. T. O.

- (c) Enlist any *two* clinical signs of Marasmus and *two* clinical signs of Kwashiorkor. 2
- (d) What are Sustainable Development Goals (SDG) ? List any *two* goals linked to nutrition. 3
- (e) Define the following and give their causes : 2+2
- (i) Fluorosis
 - (ii) Lathyrism
- (f) What do you understand by Demographic Transition ? 2
- (g) Name any *two* programmes each inacted by the government for the welfare of the following : 2+2
- (i) Pregnant and Lactating Mothers
 - (ii) Adults
2. (a) Briefly explain the concept of public nutrition highlighting its scope and future projections. 10

- (b) Discuss the concept of health care in India. Briefly comment on your role as a public nutritionist in health care delivery. 4+6
3. (a) Briefly discuss the measures you would adopt for prevention of iron deficiency anaemia in the community. Justify your answer giving appropriate examples. 10
- (b) What do you understand by the terms ‘Food Security’ and ‘Nutrition Security’ ? Enumerate the determinants of food and nutrition security. 4+6
4. (a) Name the disorder caused due to the deficiency of Vitamin A in the community. Present the clinical manifestations of the disorder and give the WHO classification for assessment of Vitamin A status. 1+5+4
- (b) Explain briefly the economic and health consequences of malnutrition. 10

5. (a) What is nutritional status ? Present the objectives of nutritional assessment. 2+3
- (b) Describe the anthropometric methods and standards you would use for the assessment of nutritional status of pre-school children. 10+5
6. (a) What are food based strategies ? Discuss any *two* food based strategy you would adopt to bring a qualitative improvement in the nutritional status of families. 2+5+5
- (b) Briefly discuss the role of PDS and TPDS in providing food security to the poor. 8
7. (a) Briefly explain the concept of 'Behaviour Change Communication', highlighting its concept and importance. 10
- (b) "Evaluation is an integral part of programme planning and management." Justify the statement highlighting the types of evaluation and the tools you would use. 10

8. Write short notes on any *four* of the following :

5+5+5+5

- (a) Selection of media and multimedia combination for nutrition education communication.
- (b) Strategies to improve urban sanitation.
- (c) Objectives, agencies for nutrition surveillance.
- (d) Conical manifestation and causes, prevention of folic acid and Vitamin B₁₂ deficiency.
- (e) Dietary survey on effective approach for nutrition assessment.